

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	09/901,154
Confirmation Number	5810
Filing Date	July 10, 2001
First Named Inventor	Heung-soo KIM
Art Unit	2631
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q63315

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
Chen		JP	2003-518341	A	6/3/2003		Partial Translation
		JP	11-85347	A	3/30/1999	Hitachi Ltd.	Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
Chen		D. Macq, et al., "A CMOS activity detector for ADSL link", Alcatel-Bell, Francis Wellesplein 1, B-2018 Antwerp, Belgium, XP-002119172	

Examiner Signature

Chen/Hu

Date Considered

3/5/05

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Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
gm		US 5,408,522	A	04-18-1995	IKEHATA et al.
gm		US 5,781,617	A	07-14-1998	McHALE et al.
gm		US 6,023,724	A	02-08-2000	BHATIA et al.
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		Country Code ³	Number ⁴	Kind Code ² (if known)			
gm		EP	0 632 629	A1	01-04-1995	MULTI TECH SYSTEMS INC.	
gm		EP	0 898 409	A	02-24-1999	NORTHERN TELECOM LTD.	

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gm		INTERNET PUBLICATION: Efficient Works et al., "SpeedStream 5600 ADSL Router Installation Guide", pp. 11-14, XP002189944	

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Anthony C. Subin

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		Number	Kind Code ⁴ (if known)		
fm		US 4,701,946		10/20/1987	Oliva et al.
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
fm		JP	2000-217151	A	8/4/2000	Sharp Corp.	Abstract

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fm		Japanese Abstract No. 2000-217151, dated August 4, 2000	

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[Signature]

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9/5/05

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